



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
 NOTICE OF ACCEPTANCE (NOA)**

**Air Master Awning, LLC
 Road PR#2 Interior KM 56.7
 P.O. Box 2097
 Barceloneta, PR 00617-2097**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series “250” Aluminum Horizontal Rolling Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **21-42D**, titled “Series-250 Alum Horiz. Rolling Wdw. (L.M.I.)”, sheets 1 through 5 of 5, dated 05/17/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

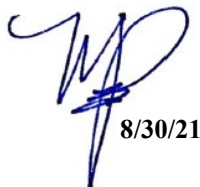
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




 8/30/21

NOA No. 21-0608.04
 Expiration Date: September 09, 2026
 Approval Date: September 09, 2021
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **21-42D**, titled "Series 250 Aluminum Fixed Wdw. (L.M.I)", sheets 1 through 5 of 5, dated 05/17/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum horizontal rolling window, prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-16-001**, dated 05/24/16, signed and sealed by Yamil Gerardo Kuri, P.E.
2. Test report on: 1) Forced Entry Resistance Test, per FBC, TAS 202-94 and AAMA 1304-02 of an aluminum horizontal rolling window, prepared by Blackwater Testing, Inc., Test Report No. **BT-AM-16-001**, addendum letter dated 07/22/16, signed and sealed by Yamil Gerardo Kuri, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 06/03/21, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

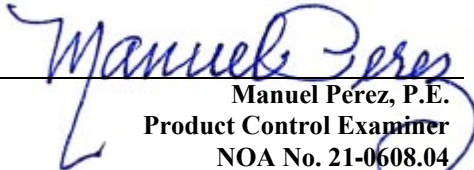
1. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 04/29/21, expiring on 05/21/26.

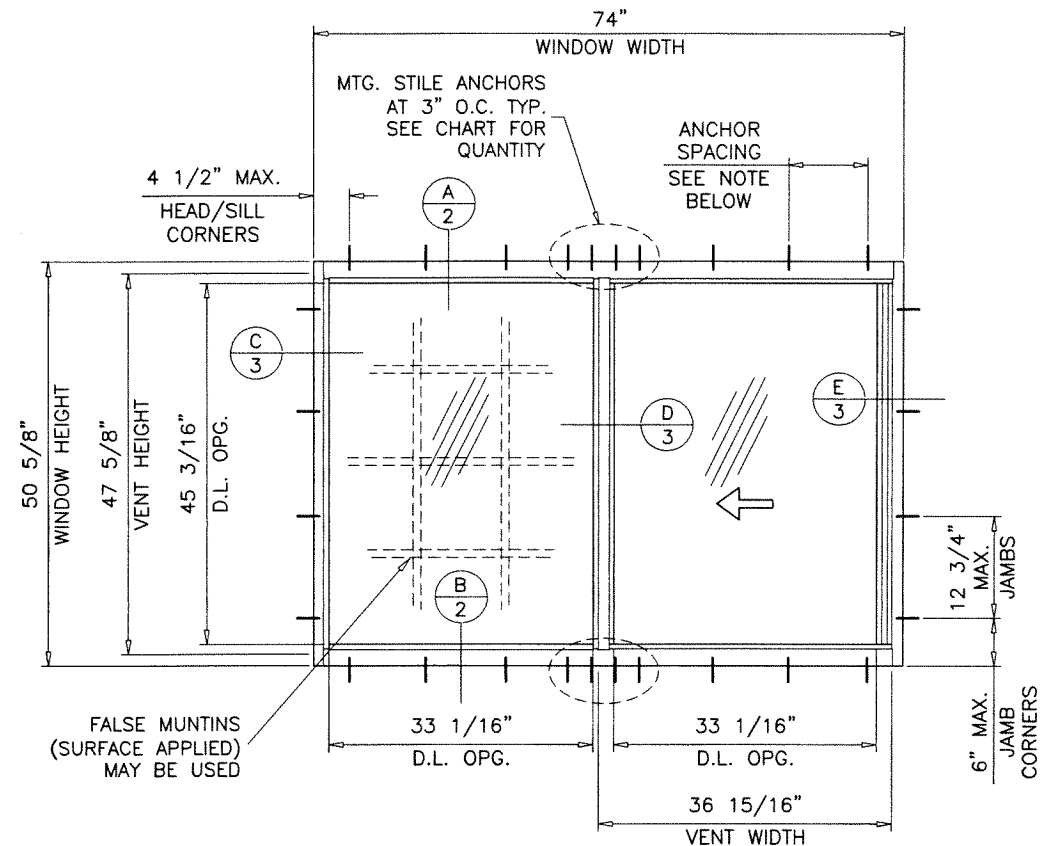
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated June 03, 2021, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. None.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 21-0608.04
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TYPICAL ELEVATION
(TESTED UNIT)

HEAD/SILL ANCHORS:
6-1/2" O.C. MAX. FOR ANCHORS TYPE 'A'
10" O.C. MAX. FOR ANCHORS TYPES 'B' & 'C'

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES-250
ALUMINUM HORIZONTAL ROLLING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHART SHOWN ABOVE.
APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION NOA WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

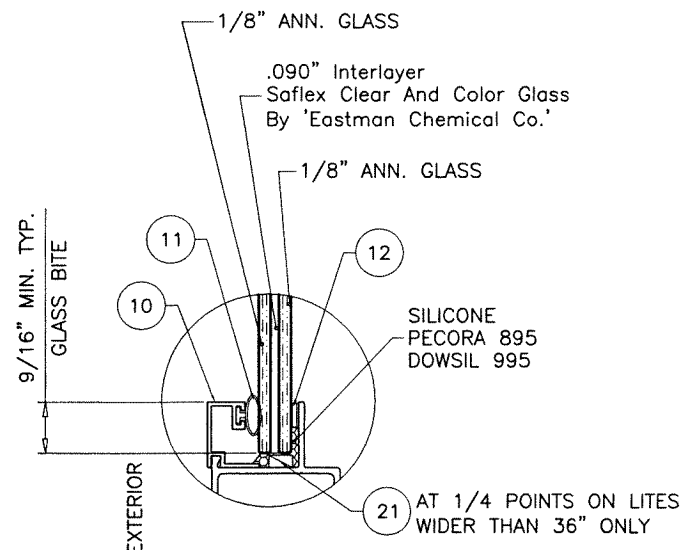
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

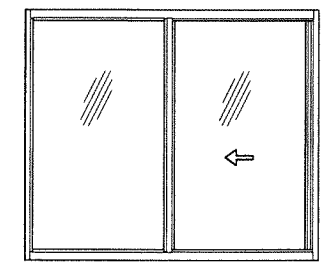
THIS PRODUCT NOA IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.



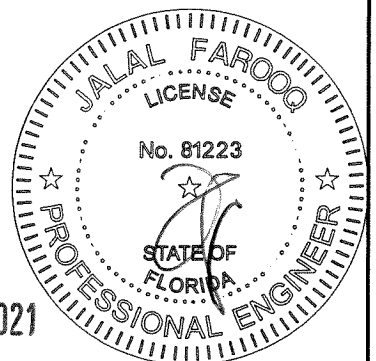
GLAZING DETAIL
5/16" OVERALL LAM. GLASS

DESIGN LOAD CAPACITY - PSF (OX OR XO SIZES)					
WINDOW DIMS.		MTG. STILE ANCHORS		5/16" OVERALL LAM. GLASS	
WIDTH	HEIGHT	TYPE 'A'	TYPE 'B' & 'C'	EXT.(+)	INT.(-)
26-1/2"	26"	2	2	70.0	70.0
37"		2	2	70.0	70.0
53-1/8"		2	2	70.0	70.0
74"		2	2	70.0	70.0
26-1/2"	38-3/8"	4	2	70.0	70.0
37"		4	2	70.0	70.0
53-1/8"		4	2	70.0	70.0
74"		4	2	70.0	70.0
26-1/2"	50-5/8"	4	2	70.0	70.0
37"		4	2	70.0	70.0
53-1/8"		6	4	70.0	70.0
74"		6	4	70.0	70.0
26-1/2"	63"	4	2	60.0	60.0
37"		6	4	60.0	60.0
53-1/8"		6	4	60.0	60.0
74"		6	4	60.0	60.0
48"	36"	4	2	70.0	70.0
54"		4	2	70.0	70.0
60"		4	2	70.0	70.0
66"		4	2	70.0	70.0
72"		4	2	70.0	70.0
78"		4	2	70.0	70.0
84"		4	2	70.0	70.0
90"		4	2	70.0	70.0
96"	4	2	70.0	70.0	
48"	48"	6	4	70.0	70.0
54"		6	4	70.0	70.0
60"		6	4	70.0	70.0
66"		6	4	70.0	70.0
72"		6	4	70.0	70.0
78"		6	4	70.0	70.0
84"		6	4	70.0	70.0
90"		6	4	70.0	70.0
48"	60"	6	4	60.0	60.0
54"		6	4	60.0	60.0



'XO OR OX'

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. **21-0608.04**
Approval Date: **09/09/2021**
By: *Manuel Perez*
Miami-Dade Product Control



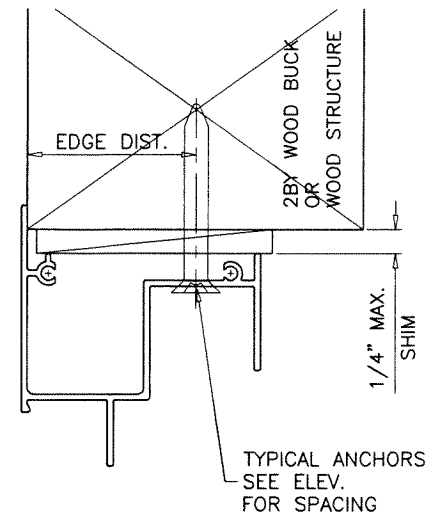
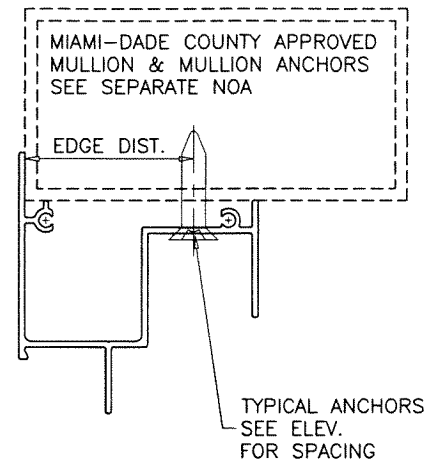
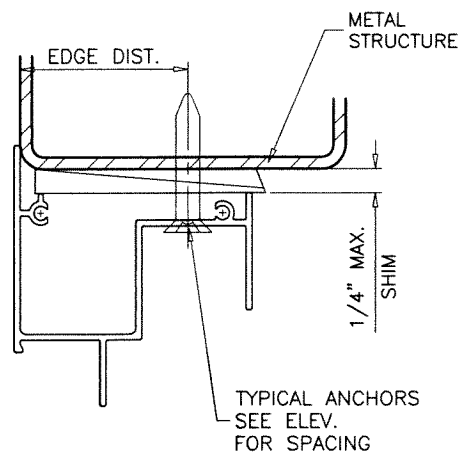
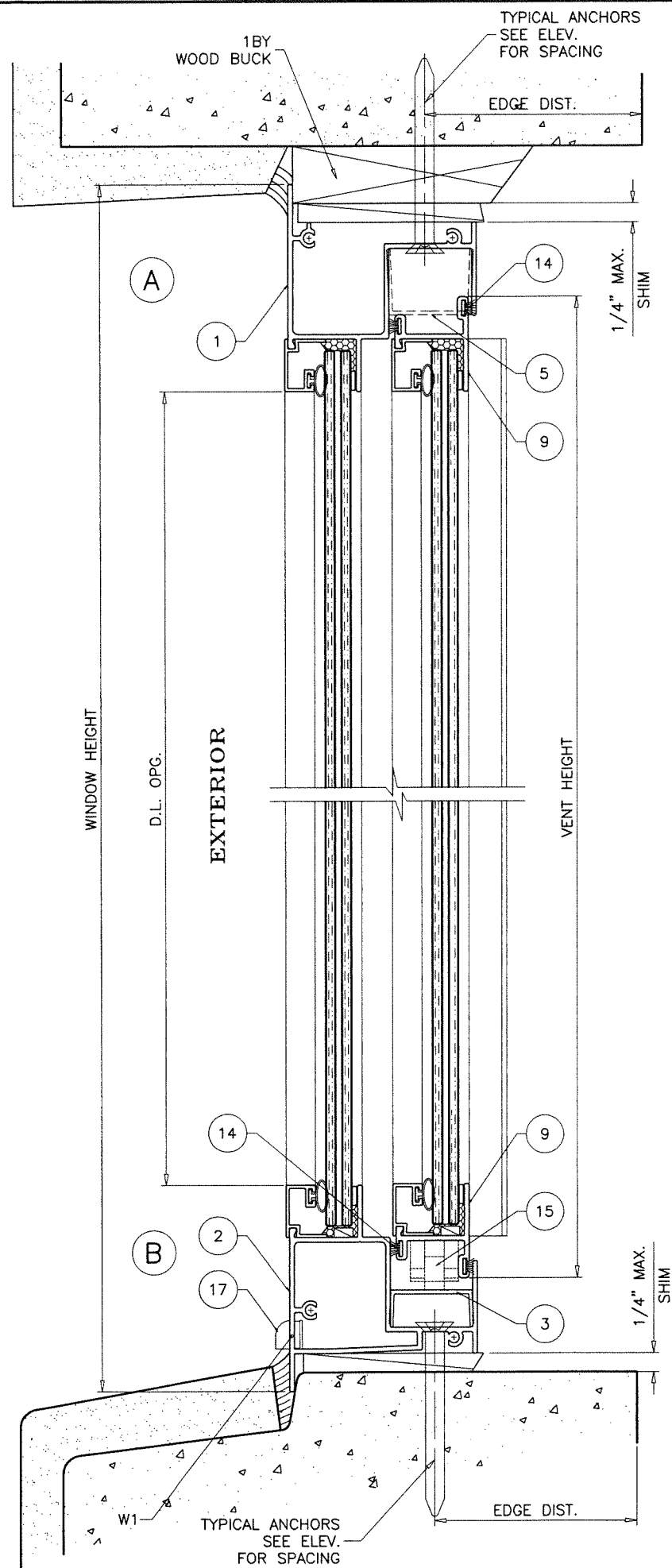
JUN 04 2021

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\21-42D-AMA

SERIES-250 ALUM HORIZ. ROLLING WDW. (L.M.I.)
Air Master Awning, LLC
P.O. Box. 2097
Barceloneta, P.R. 00617
Phone: (787) 623-1800 Fax: (787) 623-0087

no.	date	description

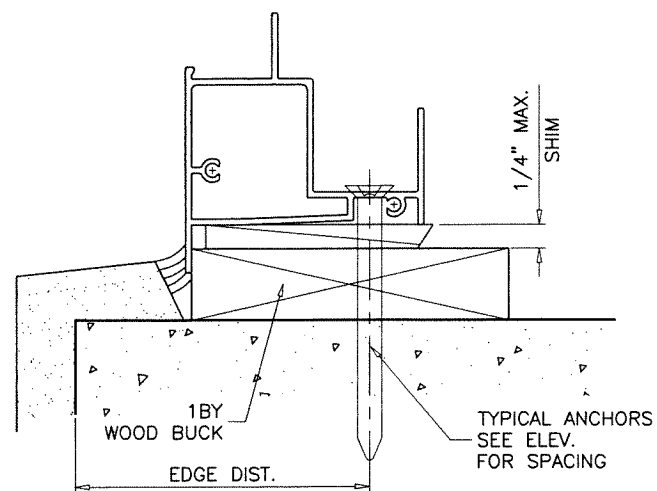
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dr. by: TARIO
chk. by:
drawing no. **21-42D**
sheet 1 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY 'AIR MASTER' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

WEEPHOLES:

W1 = 3/8" DIA. WEEPHOLES WITH BAFFLE AT 6" FROM EACH END AND AT MTG. STILE LOCATION.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'- #12 SMS OR WOOD SCREWS (GRADE 2 CRS) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

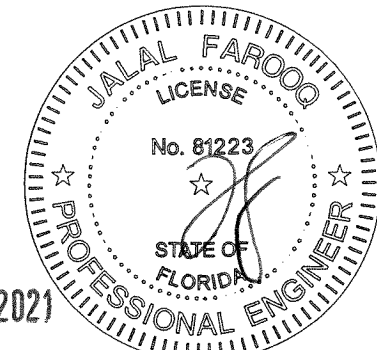
TYPE 'B'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS) THRU 1BY BUCKS INTO CONC. OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS) DIRECTLY INTO CONCRETE OR BLOCKS 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS) 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

TYPE 'C'- 1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS) INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

PRODUCT APPROVED
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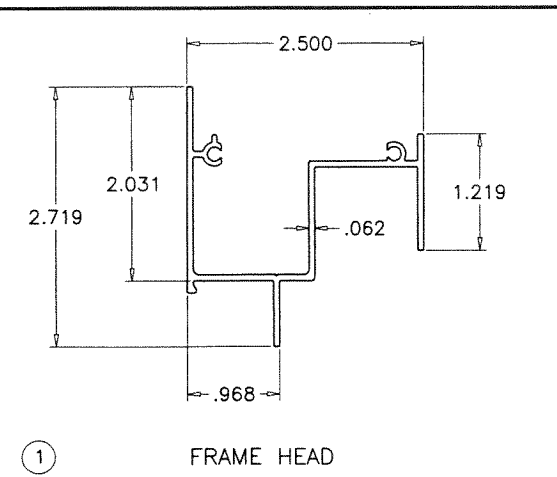
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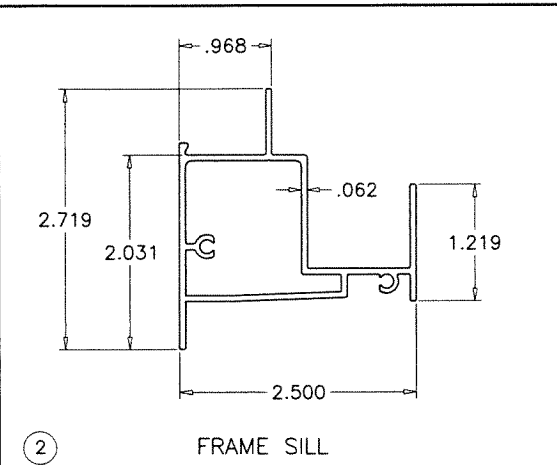
drawing no.
21-42D

sheet 2 of 5

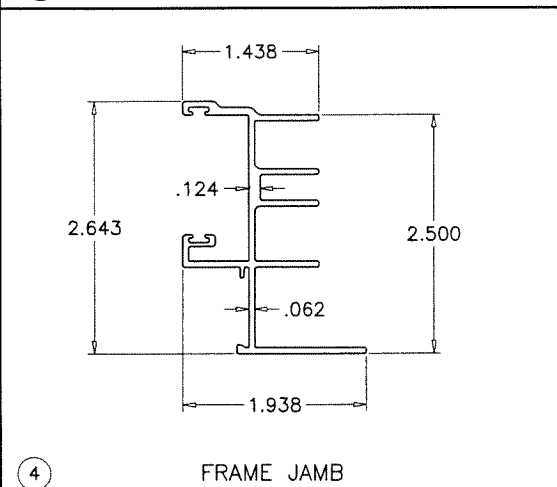
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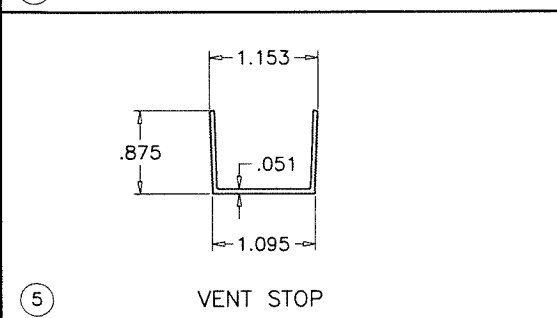
① FRAME HEAD



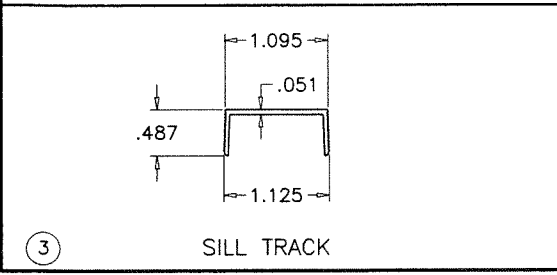
② FRAME SILL



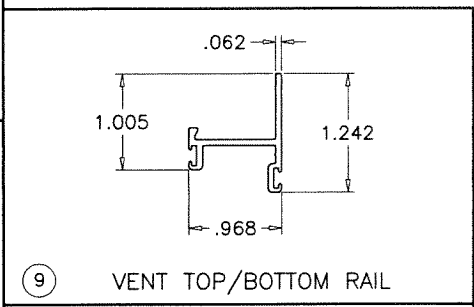
④ FRAME JAMB



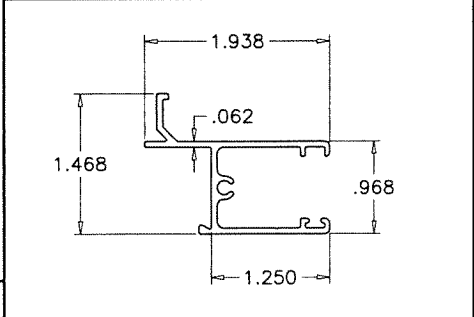
⑤ VENT STOP



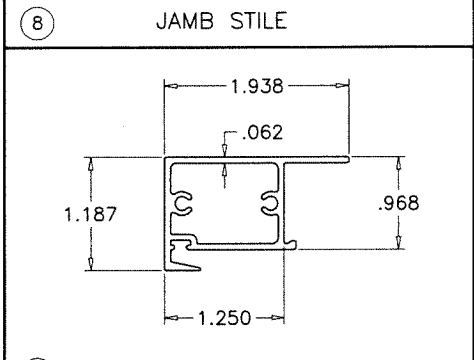
③ SILL TRACK



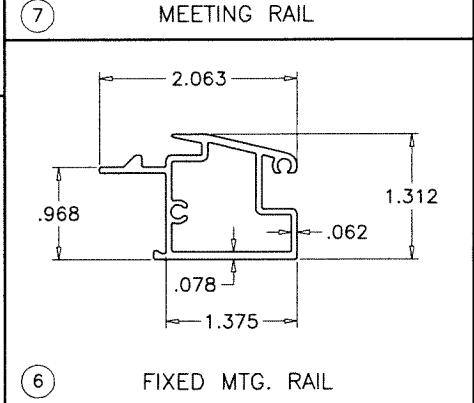
⑨ VENT TOP/BOTTOM RAIL



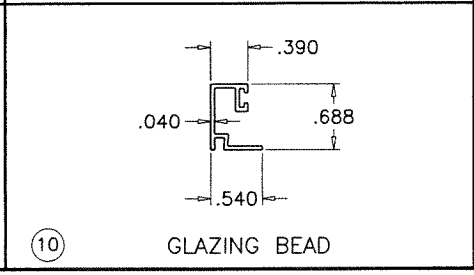
⑧ JAMB STILE



⑦ MEETING RAIL



⑥ FIXED MTG. RAIL



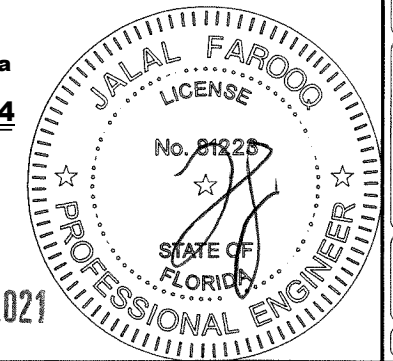
⑩ GLAZING BEAD

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	22022	1	FRAME HEAD	6063-T5	-
2	22811	1	FRAME SILL	6063-T5	-
3	22803	1	SILL TRACK INSERT	6063-T5	-
4	22813	AS REQD.	FRAME JAMB	6063-T5	-
5	22012	AS REQD.	VENT STOP	6063-T5	-
6	22019	1/ VENT	FIXED MTG. RAIL	6063-T5	-
7	22023	1/ VENT	VENT INTERLOCK	6063-T5	-
8	22024	1/ VENT	JAMB STILE	6063-T5	-
9	22025	2/ VENT	TOP AND BOTTOM RAIL	6063-T5	-
10	22250	AS REQD.	GLAZING BEAD	6063-T5	-
11	96936	AS REQD.	GLAZING BEAD BULB	VINYL	SOUTHERN PLASTICS
12	96707	AS REQD.	DOUBLE FACE TAPE	FOAM	3M
13	22438	AS REQD.	FIN SEAL W'STRIPPING AT JAMBS	POLYPROPYLENE	ULTRAFAB
14	96817	AS REQD.	FIN SEAL W'STRIPPING	POLYPROPYLENE	ULTRAFAB
15	99640	2/ VENT	ROLLER HOUSING & GUIDE	PLASTIC/ST. STEEL	-
16	10698	2/ VENT	SWEEP LATCH, 12-1/2" FROM EACH END	ZINC	SULLIVAN & ASSOCIATES
16A	95708	2/ LATCH	LATCH INST. SCREW	ST. STEEL	#8 X 1" FH SMS
17	53601	2/ WDW.	WEEP VALVE	-	S.I.L. PLASTICS
18	#8 X 3/4"	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	CRS	P.H. SMS
20	-	1/ VENT	5/16" BOX SCREEN	-	OPTIONAL
21	96900	AS REQD.	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH PECORA 895 JOINT SEALER.

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 chk. by:
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 sheet 4 of 5

